

Curriculum information for the Maths Department.

Head of Department:

Ranvir Lally

Curriculum studied in Year 7.

- Analysing and interpreting data
- Number Skills
- Equations, functions and formulae
- Fractions
- decimals and measures
- Reading and interpreting real life graphs
- Factors and multiples
- Angles and lines
- Measuring and shapes
- Fractions, decimals and percentages
- Transformations
- Sequences and graphs
- Ratio and proportion
- Probability
- Equations
- Perimeter, Area and volume

Curriculum studied in Year 8.

- Number properties and calculations
- Shapes and measures in 3D
- Interpreting and analysing data
- Expressions and equations
- Decimals calculations
- Angles
- Number properties
- Sequences
- Fractions and percentages
- Probability
- Lines and angles
- Area and volume
- Real life graphs
- Real life and straight line graphs
- Transformations
- Constructions and Loci
- Factors and powers
- Rules of indices

Courses currently offered in Key Stage 4.

GCSE Maths

Curriculum Content in Year 9 (Foundation) 3 year scheme of work

- Number
- Algebra
- Graphs, tables and charts
- Fractions and percentages
- Equations, inequalities and sequences
- Angles
- Averages and range
- Perimeter, area and volume

Curriculum Content in Year 10 (Foundation)

- Graphs
- Transformations
- Ratio and proportion
- Right angled triangles
- Probability
- Multiplicative reasoning
- Constructions, loci and bearings
- Quadratic equations and graphs
- Perimeter, area and volume

Curriculum Content in Year 11 (Foundation)

- Fractions, indices and standard form
- Congruence, similarities and vectors
- Algebra
- Revision for exams

Maths

Curriculum Content in Year 9 (Higher) 3 year scheme

- Number
- Algebra
- Interpreting and representing data
- Fractions, ratio and proportion
- Angles and trigonometry
- Graphs
- Area and volume
- Transformation and constructions

Curriculum Content in Year 10 (Higher)

- Equations and inequalities
- Probability
- Multiplicative reasoning
- Similarity and congruence
- Equations and graphs
- Circle theorems

Curriculum Content in Year 11

- Vectors and geometric proof
- Proportions and graphs

Extra-curricular activities available.**Key Stage 3**

- Homework club
- After school revision classes
- Booster classes

Key Stage 4

- Homework club
- After school revision classes
- Booster classes

Enrichment opportunities available.**Key Stage 3**

- UKMT Maths challenge

Key Stage 4

- UKMT Maths challenge